

FIG. 1

GTGGGACAGCGAGCTAATACCCAGAACTGAGTTGTGTCCTGCTAAGTCCTCTGCCAC
GTACCCACGGGATGAAGAACCTTTCATTTCCCCTCCTTTTCTTTCTTCCTTGTCCT
GAACTGCTGGGCTCCAGCATGCCACTGTGTCCCATCGATGAAGCCATCGACAAGAA
GATCAAACAAGACTTCAACTCCCTGTTTCCAAATGCAATAAAGAACATTGGCTTAAA
TTGCTGGACAGTCTCCTCCAGAGGGAAGTTGGCCTCCTGCCCAGAAGGCACAGCAG
TCTTGAGCTGCTCCTGTGGCTCTGCCTGTGGCTCGTGGGACATTTCGTGAAGAAAAAG
TGTGTCACTGCCAGTGTGCAAGGATAGACTGGACAGCAGCCCGCTGCTGTAAGCTGC
AGGTCGCTTCCTGATGTCGGGGAAGTGAGCGTGGTTTCCAGCACAGCCACCCGTTCC
TGTAAGCTCCAGAGATGTCTGATGTCCTCCGGTCTCTACAGGCACCTGCACTCACGTG
CGCGAATCCACACACAAGCACACATACTTAAAAATAAAACAAAACAGGCTGGAAA
AAAAAAAA

FIG. 2

GTGTGCCGGATTTGGTTAGCTGAGCCCACCGAGAGGCGCCTGCAGGATGAAA
GCTCTCTGTCTCCTCCTCCTCCCTGTCCTGGGGCTGTTGGTGTCTAGCAAGAC
CCTGTGCTCCATGGAAGAAGCCATCAATGAGAGGNTCCAGGAGGTCGCCGGC
TCCCTAATATTTAGGGCAATAAGCAGCATTGGCCTGGAGTGCCAGAGCGTCA
CCTCCAGGGGGGACCTGGCTACTTGCCCCGAGGCTTCGCCGTACCGGCTG
CACTTGTGGCTCCGCCTGTGGCTCGTGGGATGTGCGCGCCGAGACCACATGTC
ACTGCCAGTGCGCGGGCATGGACTGGACCGGAGCGCGCTGCTGTCGTGTGCA
GCCCTGAGGTCGCGCGCAGCGCGTGCACAGCGCGGGCGGAGGCGGCTCCAG
GTCCGGAGGGGTTGCGGGGAGCTGGAAATAAACCTGGAGATGATGATGAT
GATGATGATGG

FIG. 3

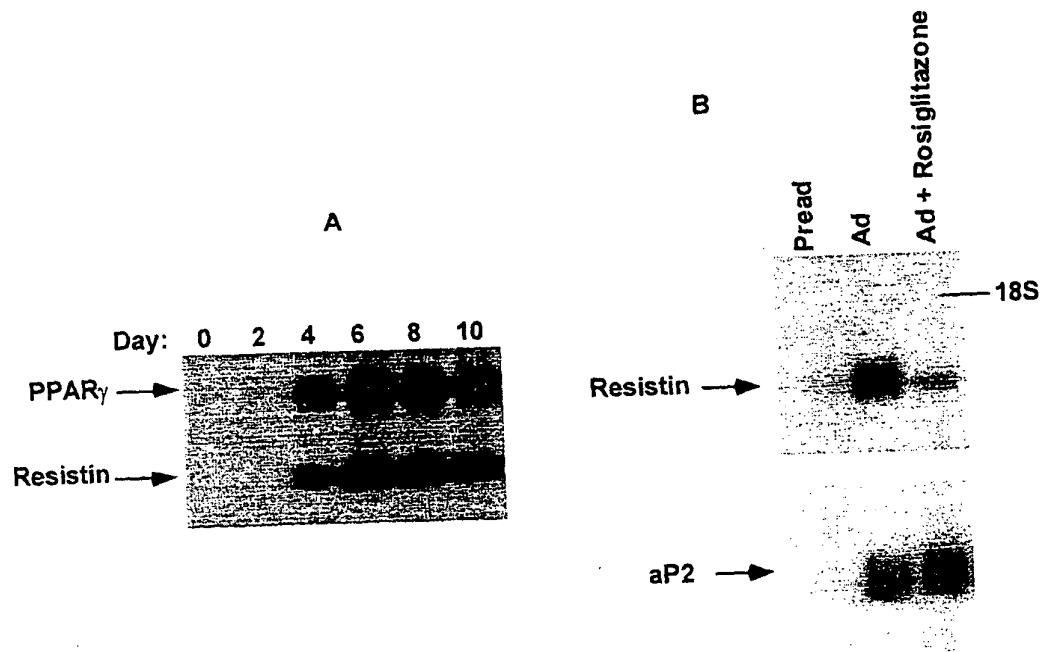


FIG. 4

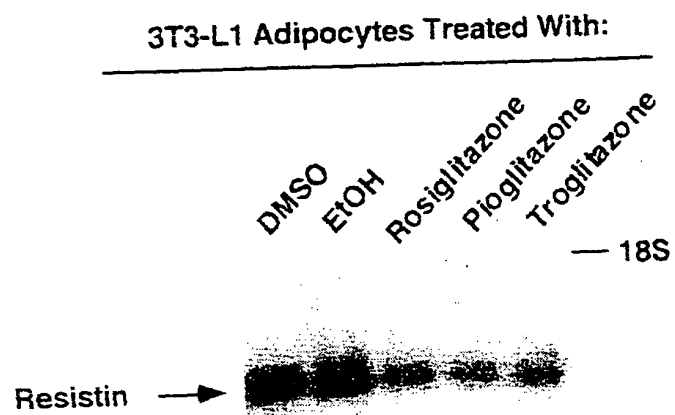


FIG. 5

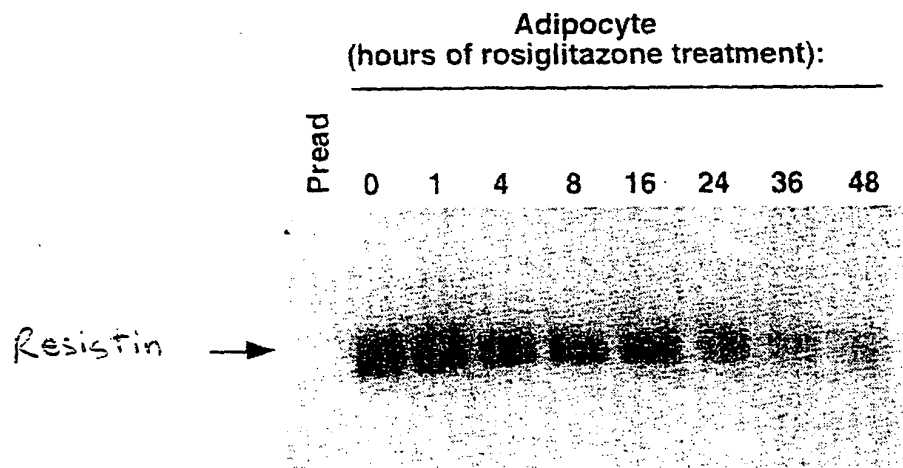
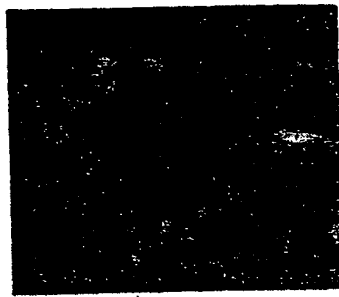


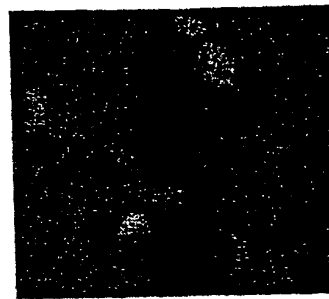
FIG. 6

A

B



GFP



Resistin-GFP

FIG. 7

04936234.403234
T030T.403234

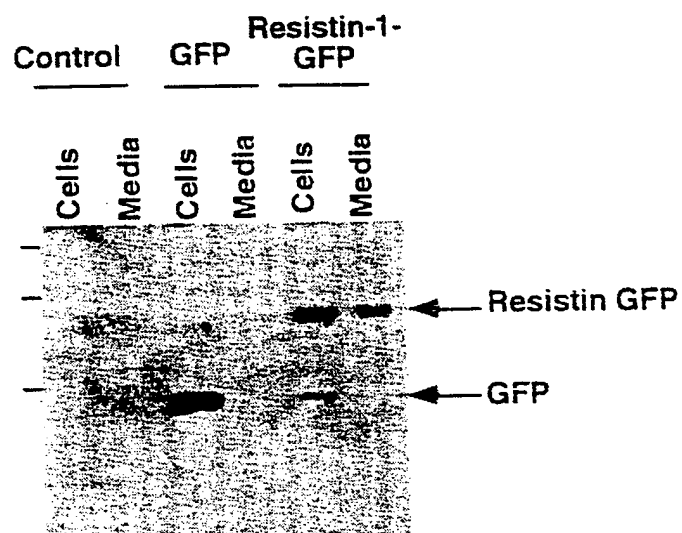


FIG. 8

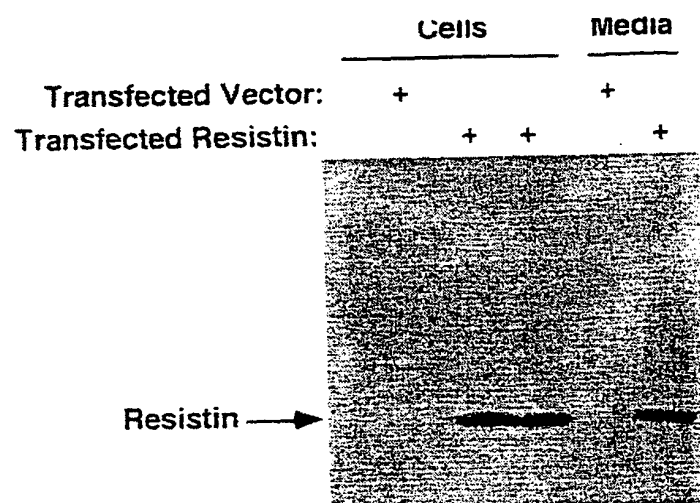


FIG. 9

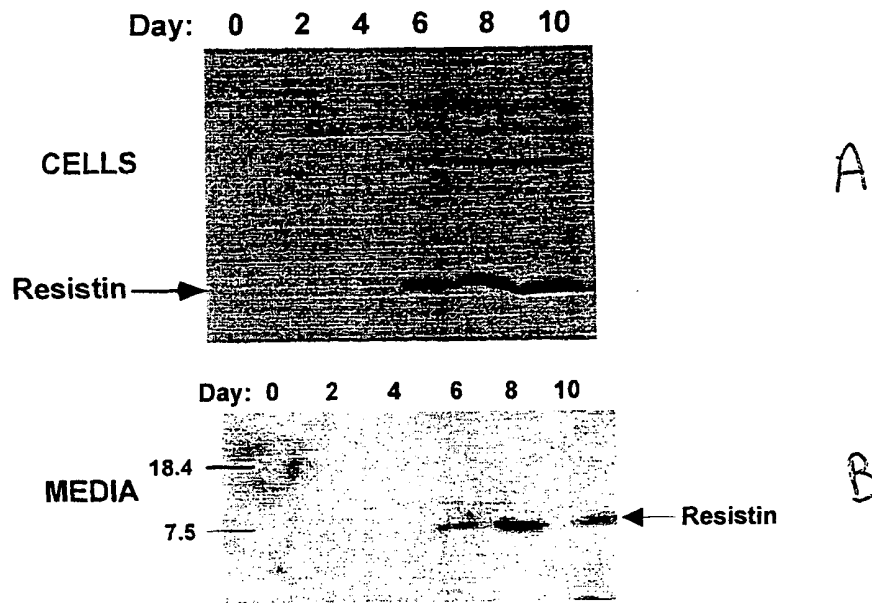


FIG. 10

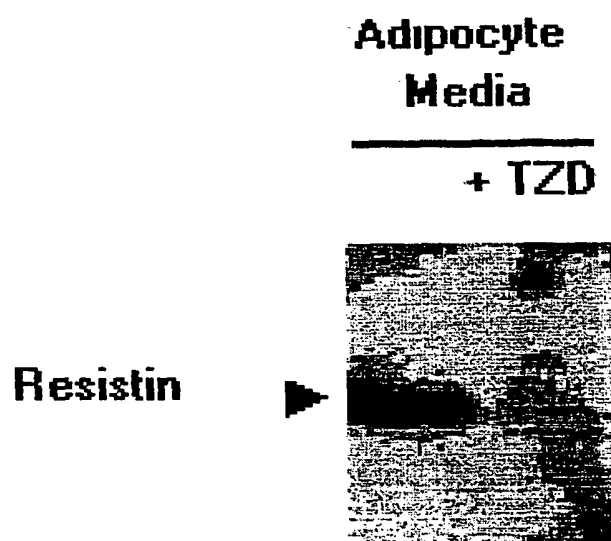


FIG. 11

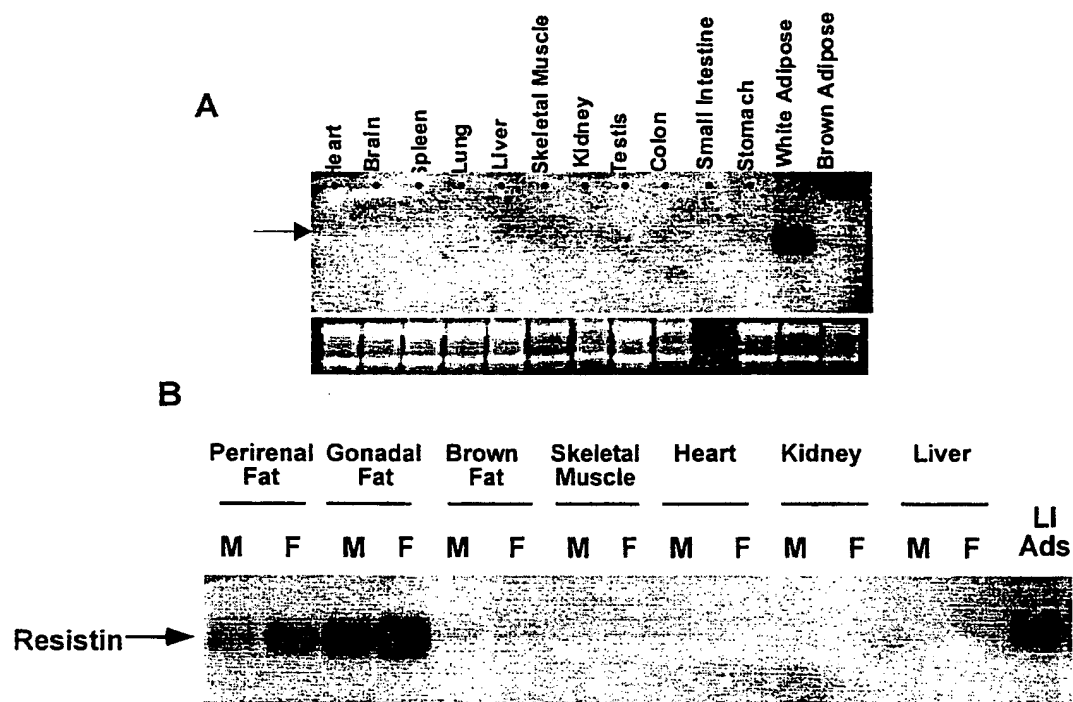


FIG. 12

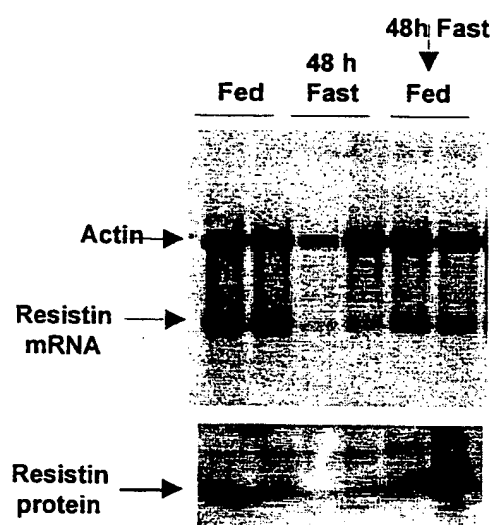


FIG. 13

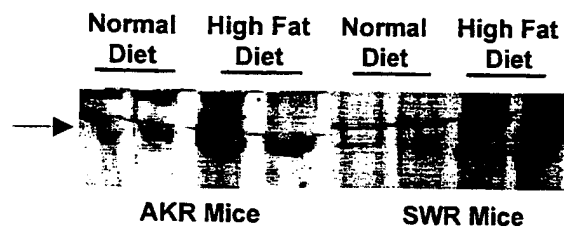


FIG. 14

MKNLSFPLLFLFFLVPELLGSSMPLCPIDEAIDKKIKQDFNSLFPNAIKNIGLNCWTVSSRG
KLASCPEGTAVLSCSCGSACGSWDIREEKVCHCQCARIDWTAARCCKLQVAS

FIG. 15

FIG. 15

MKALCLLLLPVLGLLVSSKTLCSMEEAINERIQEVAGSLIFRAISSIGLECQSVTSR
GDLATCPRGFAVTGCTCGSACGSWDVRAETTCHCQCAGMDWTGARCCRVQP

FIG. 16

FIG. 16

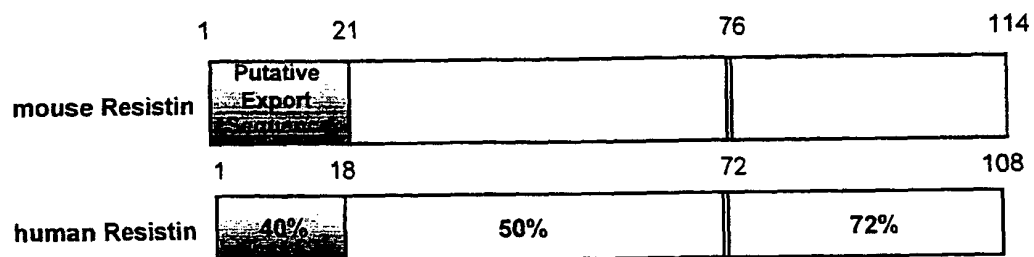


FIG. 17

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mResistin: 1 MKNLSFPLLFLFFLVPELLGSSMPLCPIDEAIDKKIKQDFNSLFPNAIKNIGLNCWTVSS 6
              MK L + LL + L  LL SS LC ++EAI+++I++  SL  AI +IGL C +V+S
hResistin:   MKALCLLLL PV--LG--LLVSKTLCSMEEAINERIQEVAGSLIFRAISSIGLECQSVTS 5
              .
              .

mResistin: 61 RGKLASCPEGTAVLSCSCGSACGSWDIREEKVCHCQCARIDWTAARCCKLQVAS 114
              RG LA+CP G AV  C+CGSACGSWD+R E  CHCQCA +DWT ARCC++Q
hResistin: 57 RGDLATCPRGFAVTGCTCGSACGSWDVRAETTCHCQCA GMDWTGARCCRVQP 108
              .      . . .      . . .      . .

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FIG. 18

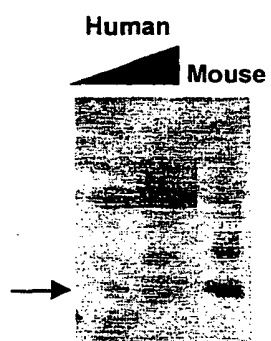


FIG. 19

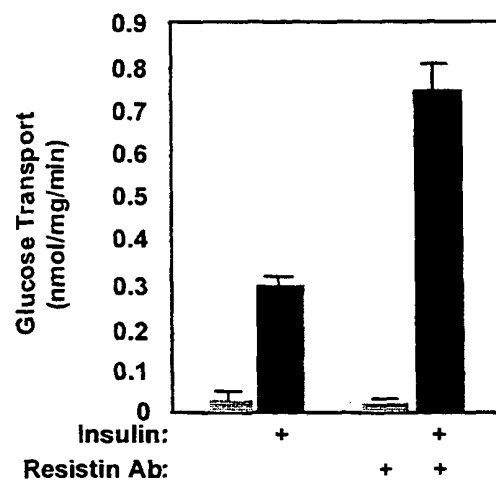


FIG. 20

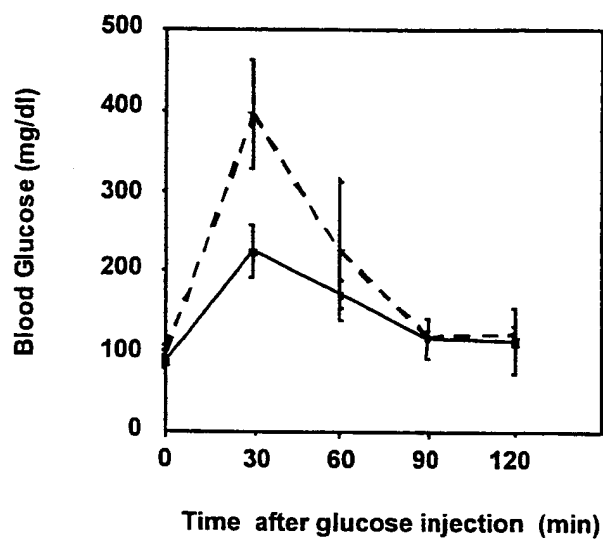


FIG. 21

70
 TCTCTACTAAAAATACAAAAATTAGCCGGGCATGGTGGTGCACGCCTGTAATCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATTGCTTGAACCC 96
 AGAGATGATTTTATGTTTTTAAATCGGCCGTACCACCACGTGCGGACATTAGGGTCGATGAGCCCTCCGACTCCGCTCTTAACGAACCTGGG
 AGGAGGTGGAGGTTGCAGTGAGCCAAGATTGAGCCACTGTACTCCAGCCTGAGCAACTGAGTGAGACTCTGAAACAAGAAACAACAAAAGCAAT 192
 TCCTCCACCTCCAACGTCACCTCGGTTCTAACTCGGTGACATGAGGTGCGACTCGTTGACTCACTCTGAGACTTTGTTTCTTTGTTTTCGTTA
 GGTTAAATGGAAACAAGATGGTGCATACCTGTAGCTTCAGCTACTGGGGAGTCCAAGGTGGGAGGATTACTTGAAGCCAGGAGTCTGACACTAGCT 288
 CCAATTTTACCTTGTCTACCACTGATGGACATCGAAGTCGATGACCCCTCAGGTTCCACCCTCCTAATGAACCTCGGTCTCAGACTGTGATCGA
 TGGGCAACATAGCAAGACCCCGTCTCAAAAAAAAAAAAAAAAAAGGCCGGGCACGGTGGTTCACGCCTGTAATCCCAGCACTTTGGGAGGCCAAGGC 384
 ACCCGTTGTATCGTTCTGGGGCAGAGTTTTTTTTTTTTTTTTTTCGGCCCGTGCCACCAAGTGCGGACATTAGGGTCGTGAAACCTCCGGTTCCG
 GGGCAGATCACAAGGTCAGGGGATCGAGACCATCCTGGCTAACACGGTGAAACTCCATCTCTACTAAAAAAAAAAAAATACAAAAATTAGCTGGG 480
 CCCGCTAGTGTTCAGTCCCTAGCTCTGGTAGGACCGATTGTGCCACTTTGAGGTAGAGATGATTTTTTTTTTTTTTATGTTTTTAAATCGACCC
 CGTGGTGGCAGGCGCTGTAGTCCAGCTACTTGGGAGGCTGAAGCAGGAGAATGCCGTGAACCCAGGAGGCGGAGCTTGTAGTGAGCCGAGATCG 576
 GCACCACCGTCCGCGGACATCAGGGTCGATGAACCTCCGACTTCGTCTCTTACCGCACTTGGGTCTCCGCTCGAACATCACTCGGCTTAGC
 CGCCACTGCATCCAGCCTGGGCGACAGAGCAAGATTCCGCTCTCAAAACAGAAAAAGTAAGTTATAATGGTAAGTTGTATGTTATATGATTTT 672
 GCGGTGACGTGAGGTCGGACCGCTGTCTCGTTCTAAGGCAGAGTTTTGTCTTTTTTTCATTCAATATTACCATTCAACATACAATATACATAAAA
 ACCACAAAAGGCCCGTTGTACTGGAACAAGAACAATAAAATGTATAACCATTCCAAGCTCATGGGTGGTCCAAGAAGAAACATGAGCTGGA 768
 TGGTGTTTTCCGGGCAACATGACCTTTGTTCTTGTATTATTTTACATATTGGTAAGGTCGAGTACCCACCAGGTTCTTCTTTGTACTCGACCT
 CTTTGGCCCATGAGCAATGGCTTTCCAACCTCTGTTGCAGGTGATGCCATTGATGGAATAAACCATGATTTTTCTTTCTCTTTTGTAGATGGAGT 864
 GGAACCGGTACTCGTTACCGAAAGGTTGAAGACAACGTCCACTACGGTAACCTACCTTATTGGTACTAAAAAGAAAGAAAGAAAACTCTACCTCA
 CTTGCTATGGTGGCCAAAGCTAGTCATCCAGGATGGAGTGACGGGACGATCTCAGTGCATGCAACCTCCACATCCCGGTTCAAGTGATTCTCC 960
 GAACGATACCAACGGGTCGATCAGTAGGTCTACCTCACGTCCCCGTGCTAGAGTCACGTGACGTTGGAGGTGTAGGGCCCAAGTTCACTAAGAGG
 CACCTCAGCCTCCCAAGTAGCTGGGATTACAGGCACACGCCACCACGCCAGTTAATTTTTGTATGTCTAATGGAGACAGGGTTTCATCATGTTGG 1056
 GTGGAGTCGGAGGGTTTCATCGACCCTAATGTCCGTGTGCGGTGGTGGGGTCAATTAACACATACAGATTACCTCTGTCCCAAAGTAGTACAACC
 CCAGGTTGGTCTCAAGCTCCTGACCTCAAGTGATCCGCCCGCCTTGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGGCCATAAACCAT 1152
 GGTCAACCAAGAGTTCGAGGACTGGAGTTCACTAGGCGGGCGGAACCGGAGGGTTTCACGACCCTAATGTCCGCACTCGGTGGCCCGGATTTGGTA
 GATTTTATTTACCAGTTCATTGCTCATGGGCATTTGGGTATGAATGTGGTATGTCATCTCACCCAGAGACATAATTATTACTATTTTAGAG 1248
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FIG. 22A

FIG. 22B

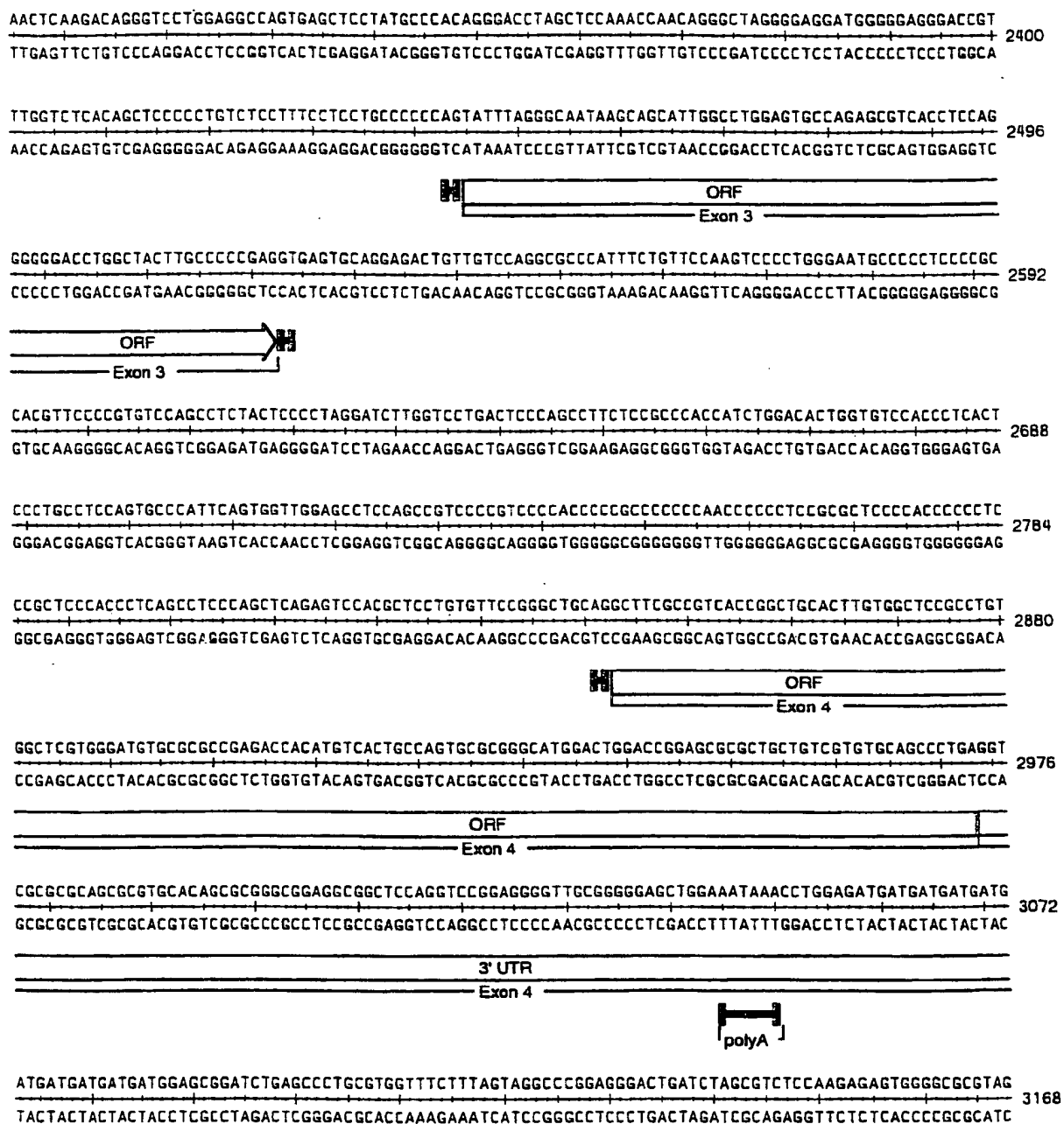


FIG. 22C

CTGCTGGAGGGGGCGGGGACACCGGACTTTCTACTGCCCCATCGCCCTTCCTCTATGGGGTCTCCAAGTGTCTCTCCGAAAATAGGGCTGAA 3264
 GACGACCTCCCCCGCCCTGTGGCGTGAAAGATGACGGGTAGCGGGAAGGAGGATACCCAGAGGTTGACGAAGGAGGCTTTTATCCCGGACTT

CTTCCTCTAGTGACGTCCCCACCCAAGGCTCATGGCTGECCTTCAAGAGGTGACGTCTCATCTTTGAGGCTACCTTGACGCTCACCTGGGGTCTCC 3360
 GAAGGAGATCACTGCAGGGGTGGGTCCGAGTACCGACGGAAGTTCTCCACTGCAGAGTAGAACTCCGATGGAAGTGCAGTGGGACCCAGAGG

GACCTCCCCAGGAAGTGGCTGGGTCTTTTCCCCAGTCTCATAATGAGGCTTCATCGAGGACCTGGGTGAGTCTGGGAGTGGACGGGACCTC 3456
 CTGGAGGGGTCTTCACCGACCCAGGAAAAGGGGTGAGGAGTATTACTCCGAAGTAGCTCTGGACCCAGTCAGACCCGTCACCTGCCCTGGGAG

CAGGGCCCCAAGACTCCAGGAGCCCCAGGTGAGGTGGAACCTGAATCATGTCTCAGCCAGAGCTGGAACCTGTACCCCTCACTTCTACCTGC 3552
 GTCCCGGGGTCTGAGGTCTCGGGGTCCAGTCCCACTTGGGACTTAGTACAGAGTGGGTCTCGACCTTGGACATGGGGAGTGAAGGATGGACG

AAGGAGGAATCCCCAAGGCACAGGCAAGTTGGGTTACGGAGAGTCAGGGACGCTACCTGACGTACGCAATCATCACAAGCTCACGTTTTACAC 3648
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AGGCAAGTGCAGTTGTGAGTAGTTAGTTACAACAGATACACGAGGTCCTTACCCCTTCTGGATACTAGATTATGAAAACACAGAGCAGGGGA 3744
 TCCGTTACGCTCAACACTCATCAATCAATGTTGGTCTATGTGCTGCCACGAATGGGGAAGGACCTATGATCTAATACTTTTGTGTCTGTCCTCT

CTTGTCTGCTCTAGATCCCCCAGGGTTTCGTTTCTTCCCTTCCCTTCCCTGACACTAGACAATCGACTCACTGTGGAGAGGAAATGTAATT 3840
 GAACAGACGAGGATCTAGGGGGGTCCCAAAGCAAAGAAGGGAAGGGAAGGGGACTGTGATCTGTTAGCTGAGTGACAGCTCTCTCTTACATTAA

GTGAAAGAAAGAGGAATGAAAAGAGAGAATGAAAGACAAACGAAGAAGCGGGAGAGACGAGCCAGGAGACAAGAAGACATACAAGAAGGGGAGC 3936
 CACTTTCTTTCTCTTACTTTTCTCTTACTTTCTGTTTGTCTTCTGCGCTCTTCTGCTCGGGTCTCTGTTCTTCTGATGTTCTTCTCTCTG

AGCCATGCGATCCCGGAGGAAAACAATCATGCGAGAACGATAACGAGCAGGCAAGCAGCAATGACGTACAGGCAACGCGACAGAGTGACAAGC 4032
 TCGGTACGCTAGGGCTCTCTTTTGTAGTACGCTCTTGTATTGCTGCTCGTCTTGTGCTTACTGCAATGTCGCTTGGCTGCTCACTGTTTCG

GCGCTGCGGAGACAGACAAGACGACTGACAAAAACGAGAAGAAGGAAACAGAAAACAGTAGAACCAACGAAGCACAGCGCAACATAACACGCCG 4128
 CGCGACGCTCTGTCTGTTCTGCTGACTGTTTTGCTCTTTCTTCTTTGCTTTTGTCTTGTGCTTGGTTGCTTGTGCTGCGTGTATTGTGCGGC

AGAATAAGAGAAAACCAAGAAACGACAGAAGGACAATCACAGATCACAGAAAACGAAGATACACCACAGAAACCAAGTTTTTTTTTTTG 4224
 TCTTATTCTCTTTGGTTCTTTGCTGCTTCTGTTAGTGTCTAGTGTCTTTGTTGCTTCTATGTTGGTGTGCTTTGGTTCAAAAAAAAAAAC

AGACAGGGTCTCGCTCTGTTGCCAGGCTGGAGTGCAGTGGTGCAATCTCGGCTCACCAGCAAGCTCTGCTCTCTGGGTTCAAGGCAATCTCTGTC 4320
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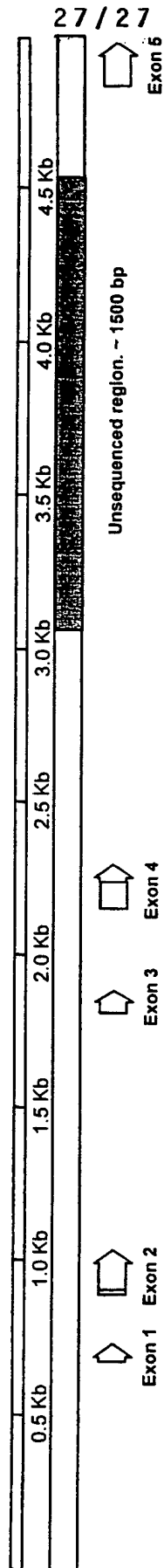
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 GAGTGGAGGGTGCATCGACCTGATGTCCGCGAGCGGTGGTATGGACGATTAAAAACATAAAAAATCATCTCTTCTCAAAGTGGTACAACCGAT

FIG. 22D

GGT
 → 4420
 CCA
 ^ 154701

FIG. 22E

Mouse Resistin Genomic Locus



Size of unsequenced region determined by agarose gel electrophoresis

Transcribed Coding sequence

Transcribed Untranslated Sequence

FIG. 23